**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ December 17, 2014**

**Grade 6 Mathematics SHOW ALL WORK! Practice Quiz 1**

For numbers 1 through 4, solve for *x.*

1.)  2.) 

3.)  4.) 

For numbers 5 through 8, write each word phrase as an algebraic equation and solve the question.

5.) John is five-sixths as old as Anthony. If Anthony is 18 years old, how old is John?

6.) Thirteen years less than eight-ninths of Ashley’s age is Matt’s age. If Ashley is 27 years old, how old is Matt?

7.) Frank makes three-fourths the amount of money per hour that Ryan makes. If Ryan makes $24 an hour, how much does Frank make in an hour?

8.) Yesterday in Philadelphia the temperature was 19 degrees more than three-eighths the temperature in Orlando, Florida. If the temperature was 72 degrees in Orlando, what was the temperature in Philadelphia?

For numbers 9 through 12, write each word phrase as an algebraic equation. (Do not solve)

9a.) Three less than two-fifths Josh’s age is Tom’s age.

9b.) One-fourth of the sum of a number and 12 is 30.

10a.) Five more than one-half of the number of hours Harold worked is 35.

10b.) Six fewer than five-sevenths of Madison’s age is Jule’s age.

11a.) Five-ninths of the students increased by 8 were girls.

11b.) Two-ninths of my salary less thirteen is taxes.

12a.) The difference between one-half of a number and ten is twelve.

12b.) The difference between two-thirds of Harriet’s age and Shane is twenty.